

this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments

In the Claims:

✓ ✓ ✓ ✓
Please cancel claims 38, 43, 48 and 51 without prejudice or disclaimer.

Please substitute the following claim 35 for the pending claim 35:

sub E2
D1
35. (Twice Amended) ~~An isolated DNA molecule comprising a DNA sequence encoding 400 contiguous amino acids or less of a Jak 3 peptide of SEQ ID NO:16, wherein said peptide contains the sequence of SEQ ID NO:15 which includes the Jak3 autophosphorylation site.~~

Please substitute the following claim 42 for the pending claim 42:

sub E2
D2
42. (Once Amended) ~~An isolated DNA molecule, wherein said DNA molecule hybridizes to a DNA sequence encoding amino acids of a Jak3 peptide of SEQ ID NO: 16, wherein said peptide contains the sequence of SEQ ID NO:15, which includes the~~

D2
corru

Jak3 autophosphorylation site and wherein said hybridization is done at 65° C in 750 mM NaCl and a final washing is done at 65° C in 15 mM NaCl.

Please substitute the following claim 45 for the pending claim 45:

D3

45. (Once Amended) An expression vector, comprising the isolated DNA molecule of claim 35 wherein said vector expresses said Jak3 peptide in a host cell.

Please substitute the following claim 47 for the pending claim 47:

D4

47. (Once Amended) The isolated DNA molecule of claim 35, wherein said molecule encodes a Jak3 polypeptide that is at least 80-99% homologous to the amino acid sequence of SEQ ID NO: 16, wherein the percent homology is determined by comparing sequence information using a GAP computer program having the default parameters of (1) a unary comparison matrix (containing a value of 1 for identities and 0 for non-identities), (2) a penalty of 3.0 for each gap and an additional 0.10 penalty for each symbol in each gap, and (3) no penalty for end gaps.
